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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/827,166	04/19/2004	Timour Paltashev	252209-1050	2414
24504	7590	11/15/2005	EXAMINER	
THOMAS, KAYDEN, HORSTEMEYER & RISLEY, LLP 100 GALLERIA PARKWAY, NW STE 1750 ATLANTA, GA 30339-5948			NGUYEN, HAU H	
			ART UNIT	PAPER NUMBER
			2676	

DATE MAILED: 11/15/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b> 10/827,166	<b>Applicant(s)</b> PALTASHEV ET AL.	
	<b>Examiner</b> Hau H. Nguyen	<b>Art Unit</b> 2676	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 01 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 19 April 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-35 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☐ Claim(s) \_\_\_\_\_ is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☒ Claim(s) 1-35 are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

## **DETAIL ACTION**

### ***Election/Restriction***

1. Restriction to one of the following inventions is required under 35 U.S.C. 121:
  - I. Claims 1-7 drawn to “compression logic responsive to the mask for generating a compressed bit stream” classified in class 345, subclass 555.
  - II. Claims 8-14 drawn to “individual bits of the plurality of bits are shifted varying amounts, the shift amount being determined by a mask” classified in class 708, subclass 209.
  - III. Claims 15-18 drawn to “a determination of corresponding groups of bits that are to be unaffected by a computation”, classified in class 382, subclass 243.
  - IV. Claims 19-21 drawn to “logic for decompressing corresponding data”, classified in class 382, subclass 233.
  - V. Claims 22-27 drawn to “mask logic for generating a mask identifying positions within a plurality of positions of a bit stream that are to be removed”, classified in class 382, subclass 283.
  - VI. Claims 22-35 drawn to “a control logic being responsive to a mask that defines positions of the plurality of signals as the inputs... such that input signals following input signals that are to be removed are shifted into the position of the preceding signals that are to be removed”, classified in class 712, subclass 224.

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2. The inventions are distinct, each from the other, because of the following reasons:

Inventions I-VI are related as subcombinations disclosed as usable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately usable. In the instant case, invention I has separate utility such as “compression logic responsive to the mask for generating a compressed bit stream”. Invention II has separate utility such as “individual bits of the plurality of bits are shifted varying amounts, the shift amount being determined by a mask”. Invention III has separate utility such as “a determination of corresponding groups of bits that are to be unaffected by a computation”. Invention IV has separate utility such as “logic for decompressing corresponding data”. Invention V has separate utility such as “mask logic for generating a mask identifying positions within a plurality of positions of a bit stream that are to be removed”. Invention VI has separate utility such as “a control logic being responsive to a mask that defines positions of the plurality of signals as the inputs... such that input signals following input signals that are to be removed are shifted into the position of the preceding signals that are to be removed”. See MPEP § 806.05(d).

3. Because these invention are distinct for the reasons given above and the search required for Group I is not required for Groups II to Group VI, restriction for examination purposes as indicated is proper.

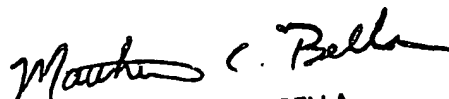
5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hau H Nguyen whose telephone number is (571) 272-7787. The examiner can normally be reached on 8:30am-5:30 pm Monday-Friday.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matthew Bella can be reached on (571) 272-7778. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

H. Nguyen

11/10/2005

  
MATTHEW C. BELLA  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2600